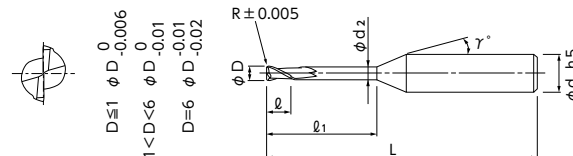
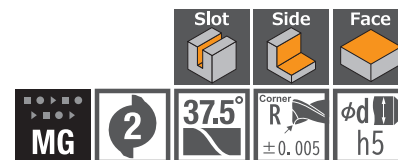
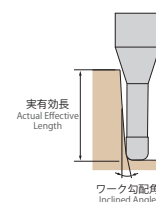


銅電極加工用ロングネックラジアスエンドミル
Long Neck Radius End Mill for Copper Electrode全 153 サイズ
Total 153 sizes銅電極加工に特化したロングネックラジアスエンドミル
鋭利な刃先でバリを抑制し、良好な加工面を実現Long neck radius end mill specialized for machining copper alloy.
Sharpe cutting edge makes less burr and high quality surface.

- 銅電極の加工に特化したロングネックラジアスエンドミル。
- 切削性の高さが高面品位を両立させるねじれ角【37.5°】と最適化した刃先デザインを採用。
- DLC コーティングにより、長時間安定した加工が可能です。
- 銅タングステン電極の加工にも有効です。
- Long neck radius end mill specialized for machining copper electrode.
- 37.5°helix angle provides both sharpness shearing ability and finishing surface quality, combining the most suitable cutting edge design realizes the higher quality of finishing surface.
- High quality and stable milling performance with long tool life by optimized design and DLC COATING.
- Machining copper tungsten electrodes is also effective.



被削材 Work material

銅 Copper	銅タングステン Copper tungsten
◎	◎

NEW※2021年7月追加サイズ ※Released in July, 2021.

単位 [寸法: mm / 価格: ¥]
Unit [Size: mm / Retail price: JPY]

NEW	コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner radius	(ℓ1)首下長 Under neck length	(ℓ)刃長 Length of cut	(d2)首下径 Neck Dia.	(γ)首角 Neck taper angle	(d)シャンク径 Shank Dia.	(L)全長 Overall length	標準価格 Retail price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece.				
											30°	1°	1°30'	2°	3°
NEW	07-00110-02021	0.2	R0.02	0.5	0.4	0.18	12°	4	45	11,500	0.56	0.59	0.62	0.65	0.71
NEW	07-00110-02023			1	0.4	0.18	12°	4	45	12,000	1.09	1.13	1.19	1.24	1.38
NEW	07-00110-02025			1.5	0.4	0.18	12°	4	45	12,300	1.61	1.68	1.76	1.84	2.04
	07-00110-02051		R0.05	0.5	0.4	0.18	12°	4	45	11,500	0.57	0.59	0.62	0.64	0.71
	07-00110-02053			1	0.4	0.18	12°	4	45	12,000	1.09	1.14	1.19	1.24	1.37
	07-00110-02055			1.5	0.4	0.18	12°	4	45	12,300	1.61	1.68	1.76	1.84	2.04
NEW	07-00110-03021	0.3	R0.02	1	0.6	0.28	12°	4	45	12,000	1.09	1.13	1.19	1.24	1.38
NEW	07-00110-03022			1.5	0.6	0.28	12°	4	45	12,300	1.61	1.68	1.76	1.84	2.04
NEW	07-00110-03023			2	0.6	0.28	12°	4	45	12,500	2.13	2.22	2.33	2.44	2.71
	07-00110-03051		R0.05	1	0.6	0.28	12°	4	45	12,000	1.09	1.14	1.19	1.24	1.37
	07-00110-03052			1.5	0.6	0.28	12°	4	45	12,300	1.61	1.68	1.76	1.84	2.04
	07-00110-03053			2	0.6	0.28	12°	4	45	12,500	2.13	2.23	2.33	2.44	2.70
NEW	07-00110-04021	0.4	R0.02	1	0.8	0.37	12°	4	45	10,500	1.11	1.16	1.21	1.27	1.41
NEW	07-00110-04023			2	0.8	0.37	12°	4	45	10,700	2.15	2.25	2.35	2.47	2.74
NEW	07-00110-04025			3	0.8	0.37	12°	4	45	10,900	3.20	3.34	3.49	3.67	4.06
NEW	07-00110-04027			4	0.8	0.37	12°	4	45	11,100	4.24	4.43	4.63	4.86	5.39
	07-00110-04051		R0.05	1	0.8	0.37	12°	4	45	10,500	1.11	1.16	1.21	1.27	1.40
	07-00110-04053			2	0.8	0.37	12°	4	45	10,700	2.16	2.25	2.35	2.47	2.73
	07-00110-04055			3	0.8	0.37	12°	4	45	10,900	3.20	3.34	3.50	3.66	4.06
	07-00110-04057			4	0.8	0.37	12°	4	45	11,100	4.24	4.43	4.64	4.86	5.39
	07-00110-04101		R0.1	1	0.8	0.37	12°	4	45	10,500	1.11	1.16	1.21	1.26	1.39
	07-00110-04103			2	0.8	0.37	12°	4	45	10,700	2.15	2.25	2.35	2.46	2.72
	07-00110-04105			3	0.8	0.37	12°	4	45	10,900	3.20	3.34	3.49	3.65	4.04
	07-00110-04107			4	0.8	0.37	12°	4	45	11,100	4.24	4.43	4.63	4.85	5.37
NEW	07-00110-05022	0.5	R0.02	2	1	0.46	12°	4	45	10,400	2.18	2.27	2.38	2.50	2.77
NEW	07-00110-05023			3	1	0.46	12°	4	45	10,600	3.22	3.36	3.52	3.69	4.10
NEW	07-00110-05024			4	1	0.46	12°	4	45	10,800	4.26	4.45	4.66	4.89	5.42
NEW	07-00110-05025			5	1	0.46	12°	4	45	11,000	5.31	5.54	5.80	6.09	6.75
	07-00110-05052		R0.05	2	1	0.46	12°	4	45	10,400	2.18	2.28	2.38	2.50	2.76
	07-00110-05053			3	1	0.46	12°	4	45	10,600	3.22	3.37	3.52	3.69	4.09
	07-00110-05054			4	1	0.46	12°	4	45	10,800	4.27	4.46	4.66	4.89	5.42
	07-00110-05055			5	1	0.46	12°	4	45	11,000	5.31	5.55	5.80	6.09	6.75
	07-00110-05102		R0.1	2	1	0.46	12°	4	45	10,400	2.18	2.27	2.37	2.49	2.75
	07-00110-05103			3	1	0.46	12°	4	45	10,600	3.22	3.36	3.51	3.68	4.07
	07-00110-05104			4	1	0.46	12°	4	45	10,800	4.27	4.45	4.66	4.88	5.40
	07-00110-05105			5	1	0.46	12°	4	45	11,000	5.31	5.54	5.80	6.08	6.73

オーダー方法

DHR237R 外径(D) × コーナ半径(R) × 首下長(ℓ1) を指示してください。
When you order, indicate DHR237R (D)×(R)×(ℓ1).※(γ)は参考値です。
※(γ) is reference value.

NEW	コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner radius	(ℓ1)首下長 Under neck length	(ℓ)刃長 Length of cut	(d2)首下径 Neck Dia.	(γ)首角 Neck taper angle	(d)シャンク径 Shank Dia.	(L)全長 Overall length	標準価格 Retail price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece.				
											30°	1°	1°30'	2°	3°
NEW	07-00110-06022	0.6	R0.02	2	1.2	0.56	12°	4	45	11,200	2.18	2.27	2.38	2.50	2.77
NEW	07-00110-06024			4	1.2	0.56	12°	4	45	11,700	4.26	4.45	4.66	4.89	5.42
NEW	07-00110-06026			6	1.2	0.56	12°	4	45	12,100	6.35	6.63	6.94	7.28	8.08
	07-00110-06052		R0.05	2	1.2	0.56	12°	4	45	11,200	2.18	2.28	2.38	2.50	2.76
	07-00110-06054			4	1.2	0.56	12°	4	45	11,700	4.27	4.46	4.66	4.89	5.42
	07-00110-06056			6	1.2	0.56	12°	4	45	12,100	6.35	6.63	6.94	7.28	8.07
	07-00110-06102		R0.1	2	1.2	0.56	12°	4	45	11,200	2.18	2.27	2.37	2.49	2.75
	07-00110-06104			4	1.2	0.56	12°	4	45	11,700	4.27	4.45	4.66	4.88	5.40
	07-00110-06106			6	1.2	0.56	12°	4	45	12,100	6.35	6.63	6.94	7.27	8.06
NEW	07-00110-08024	0.8	R0.02	4	1.6	0.76	12°	4	45	11,700	4.26	4.45	4.66	4.89	5.42
NEW	07-00110-08026			6	1.6	0.76	12°	4	45	12,100	6.35	6.63	6.94	7.28	8.08
NEW	07-00110-08028			8	1.6	0.76	12°	4	50	12,300	8.43	8.81	9.22	9.68	10.73
	07-00110-08054		R0.05	4	1.6	0.76	12°	4	45	11,700	4.27	4.46	4.66	4.89	5.42
	07-00110-08056			6	1.6	0.76	12°	4	45	12,100	6.35	6.63	6.94	7.28	8.07
	07-00110-08058			8	1.6	0.76	12°	4	50	12,300	8.44	8.81	9.22	9.68	10.73
	07-00110-08104		R0.1	4	1.6	0.76	12°	4	45	11,700	4.27	4.45	4.66	4.88	5.40
	07-00110-08106			6	1.6	0.76	12°	4	45	12,100	6.35	6.63	6.94	7.27	8.06
	07-00110-08108			8	1.6	0.76	12°	4	50	12,300	8.44	8.81	9.22	9.67	10.71
NEW	07-00110-10053	1	R0.05	3	2	0.95	12°	4	45	10,900	3.24	3.39	3.54	3.72	4.12
NEW	07-00110-10054			4	2	0.95	12°	4	45	11,000	4.29	4.48	4.68	4.91	5.44
NEW	07-00110-10055			5	2	0.95	12°	4	45	11,300	5.33	5.57	5.82	6.11	6.77
NEW	07-00110-10056			6	2	0.95	12°	4	45	11,500	6.37	6.66	6.97	7.31	8.10
NEW	07-00110-10058			8	2	0.95	12°	4	50	11,700	8.46	8.83	9.25	9.70	10.75
NEW	07-00110-10060			10	2	0.95	12°	4	50	12,000	10.54	11.01	11.53	12.09	13.41
	07-00110-10103		R0.1	3	2	0.95	12°	4	45	10,900	3.25	3.39	3.54	3.71	4.11
	07-00110-10104			4	2	0.95	12°	4	45	11,000	4.29	4.48	4.68	4.91	5.43
	07-00110-10105			5	2	0.95	12°	4	45	11,300	5.33	5.57	5.82	6.10	6.76
	07-00110-10106			6	2	0.95	12°	4	45	11,500	6.38	6.66	6.96	7.30	8.09
	07-00110-10108			8	2	0.95	12°	4	50	11,700	8.46	8.84	9.24	9.69	10.74
	07-00110-10110			10	2	0.95	12°	4	50	12,000	10.55	11.01	11.53	12.09	13.40
	07-00110-10203		R0.2	3	2	0.95	12°	4	45	10,900	3.24	3.38	3.53	3.69	4.07
	07-00110-10204			4	2	0.95	12°	4	45	11,000	4.29	4.47	4.67	4.89	5.40
	07-00110-10205			5	2	0.95	12°	4	45	11,300	5.33	5.56	5.81	6.09	6.73
	07-00110-10206			6	2	0.95	12°	4	45	11,500	6.37	6.65	6.95	7.28	8.06
	07-00110-10208			8	2	0.95	12°	4	50	11,700	8.46	8.83	9.23	9.67	10.71
	07-00110-10210			10	2	0.95	12°	4	50	12,000	10.54	11.01	11.51	12.07	13.36
NEW	07-00110-15105	1.5	R0.1	5	3	1.45	12°	4	45	11,400	5.33	5.56	5.82	6.10	6.76
NEW	07-00110-15110			10	3	1.45	12°	4	50	11,500	10.54	11.01	11.52	12.08	13.39
NEW	07-00110-15115			15	3	1.45	12°	4	50	11,600	15.76	16.46	17.22	18.07	20.03
NEW	07-00110-15205		R0.2	5	3	1.45	12°	4	45	11,400	5.32	5.55	5.80	6.08	6.72
NEW	07-00110-15210			10	3	1.45	12°	4	50	11,500	10.54	11.00	11.51	12.06	13.36
NEW	07-00110-15215			15	3	1.45	12°	4	50	11,600	15.75	16.45	17.21	18.05	20.00
NEW	07-00110-15305		R0.3	5	3	1.45	12°	4	45	10,900	5.32	5.54	5.79	6.06	6.69
NEW	07-00110-15310			10	3	1.45	12°	4	50	11,500	10.53	10.99	11.49	12.04	13.33
NEW	07-00110-15315			15	3	1.45	12°	4	50	11,600	15.75	16.44	17.20	18.03	19.96
NEW	07-00110-15505		R0.5	5	3	1.45	12°	4	45	11,000	5.31	5.53	5.76	6.02	6.63
	07-00110-15510			10	3	1.45	12°	4	50	11,500	10.53	10.98	11.47	12.01	13.27
NEW	07-00110-15515			15	3	1.45	12°	4	50	11,600	15.74	16.42	17.17	17.99	19.90
	07-00110-15520			20	3	1.45	12°	4	60	11,800	20.96	21.87	22.87	23.98	Free
	07-00110-20105	2	R0.1	5	4	1.94	12°	4	45	10,600	5.36	5.59	5.85	6.13	6.79
	07-00110-20108			8	4	1.94	12°	4	50	11,000	8.49	8.86	9.27	9.72	10.77
	07-00110-20110			10	4	1.94	12°	4	50	11,100	10.57	11.04	11.55	12.12	13.43
	07-00110-20115			15	4	1.94	12°	4	50	11,200	15.79	16.49	17.25	18.10	Free
	07-00110-20120			20	4	1.94	12°	4	60	11,400	21.00	21.93	22.96	24.08	Free
NEW	07-00110-20205		R0.2	5	4	1.94	12°	4	45	10,600	5.35	5.58	5.83	6.11	6.75
NEW	07-00110-20208			8	4	1.94	12°	4	50	11,000	8.48	8.85	9.25	9.70	10.74
NEW	07-00110-20210			10	4	1.94	12°	4	50	11,100	10.56	11.03	11.53	12.09	13.39
NEW	07-00110-20215			15	4	1.94	12°	4	50	11,200	15.78	16.47	17.24	18.07	Free
NEW	07-00110-20220			20	4	1.94	12°	4	60	11,400	20.99	21.92	22.94	24.06	Free
	07-00110-20305		R0.3	5	4	1.94	12°	4	45	10,600	5.35	5.57	5.82	6.09	6.73
	07-00110-20308			8	4	1.94	12°	4	50	11,000	8.48	8.84	9.24	9.68	10.71
	07-00110-20310			10	4	1.94	12°	4	50	11,100	10.56	11.02	11.52	12.08	13.36
	07-00110-20315			15	4	1.94	12°	4	50	11,200	15.78	16.47	17.23	18.06	Free
	07-00110-20320			20	4	1.94	12°	4	60	11,400	20.99	21.92	22.93	24.04	Free
NEW	07-00110-20505		R0.5	5	4	1.94	12°	4	45	10,600	5.33	5.55	5.79	6.05	6.66
NEW	07-00110-20508			8	4	1.94	12°	4	50	11,000	8.46	8.82	9.21	9.64	10.64
NEW	07-00110-20510			10	4	1.94	12°	4	50	11,100	10.55	11.00	11.49	12.03	13.30
NEW	07-00110-20515			15	4	1.94	12°	4	50	11,200	15.76	16.45	17.19	18.02	Free
NEW	07-00110-20520			20	4	1.94	12°	4	60	11,400	20.98	21.89	22.90	24.00	Free

DHR237R

銅電極加工用ロングネックラジアスエンドミル
Long Neck Radius End Mill for Copper Electrode

NEW ※2021年7月追加サイズ ※Released in July, 2021.

単位 [寸法 : mm / 価格 : 円]
Unit [Size : mm / Retail price : JPY]

NEW	コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner radius	(ℓ1)首下長 Under neck length	(ℓ)刃長 Length of cut	(d2)首下径 Neck Dia.	(γ)首角 Neck taper angle	(d)シャンク径 Shank Dia.	(L)全長 Overall length	標準価格 Retail price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece.				
											30°	1°	1°30′	2°	3°
NEW	07-00110-25208	2.5	R0.2	8	5	2.4	12°	4	50	11,000	8.57	8.95	9.36	9.81	10.86
NEW	07-00110-25214			14	5	2.4	12°	4	50	11,200	14.83	15.49	16.20	16.99	Free
NEW	07-00110-25220			20	5	2.4	12°	4	60	11,400	21.09	22.02	23.05	Free	Free
NEW	07-00110-25508		R0.5	8	5	2.4	12°	4	50	11,000	8.56	8.92	9.32	9.75	10.77
NEW	07-00110-25514			14	5	2.4	12°	4	50	11,200	14.82	15.46	16.16	16.93	Free
NEW	07-00110-25520			20	5	2.4	12°	4	60	11,400	21.08	22.00	23.00	Free	Free
NEW	07-00110-30112		R0.1	12	6	2.85	12°	6	50	12,000	12.87	13.44	14.07	14.76	16.36
NEW	07-00110-30118			18	6	2.85	12°	6	60	12,300	19.13	19.98	20.91	21.94	24.32
NEW	07-00110-30124			24	6	2.85	12°	6	70	13,000	25.39	26.52	27.76	29.12	Free
	07-00110-30212		R0.2	12	6	2.85	12°	6	50	12,000	12.87	13.44	14.06	14.74	16.33
	07-00110-30218	18		6	2.85	12°	6	60	12,300	19.13	19.98	20.90	21.92	24.29	
	07-00110-30224	24		6	2.85	12°	6	70	13,000	25.39	26.51	27.75	29.10	Free	
	07-00110-30312	R0.3	12	6	2.85	12°	6	50	12,000	12.86	13.43	14.04	14.72	16.29	
NEW	07-00110-30318		18	6	2.85	12°	6	60	12,300	19.12	19.96	20.88	21.90	24.26	
NEW	07-00110-30324		24	6	2.85	12°	6	70	13,000	25.38	26.50	27.73	29.08	Free	
	07-00110-30512	R0.5	12	6	2.85	12°	6	50	12,000	12.86	13.41	14.02	14.68	16.24	
	07-00110-30515		15	6	2.85	12°	6	60	12,200	15.99	16.68	17.44	18.27	20.22	
	07-00110-30518		18	6	2.85	12°	6	60	12,300	19.12	19.95	20.86	21.86	24.20	
	07-00110-30524		24	6	2.85	12°	6	70	13,800	25.37	26.49	27.71	29.04	Free	
	07-00110-30530		30	6	2.85	12°	6	70	14,200	31.63	33.02	34.55	36.22	Free	
NEW	07-00110-40116	4	R0.1	16	8	3.8	12°	6	60	12,000	17.17	17.93	18.77	19.68	Free
NEW	07-00110-40124			24	8	3.8	12°	6	60	12,300	25.51	26.65	27.89	Free	Free
NEW	07-00110-40132			32	8	3.8	12°	6	70	13,000	33.85	35.36	37.01	Free	Free
	07-00110-40216		R0.2	16	8	3.8	12°	6	60	12,000	17.17	17.93	18.76	19.67	Free
	07-00110-40224			24	8	3.8	12°	6	60	12,300	25.51	26.64	27.88	Free	Free
	07-00110-40232			32	8	3.8	12°	6	70	13,000	33.85	35.36	37.00	Free	Free
NEW	07-00110-40316		R0.3	16	8	3.8	12°	6	60	12,000	17.16	17.91	18.74	19.65	Free
NEW	07-00110-40324			24	8	3.8	12°	6	60	12,300	25.50	26.63	27.86	Free	Free
NEW	07-00110-40332			32	8	3.8	12°	6	70	13,000	33.84	35.34	36.99	Free	Free
	07-00110-40516		R0.5	16	8	3.8	12°	6	60	12,000	17.15	17.90	18.72	19.61	Free
	07-00110-40524			24	8	3.8	12°	6	60	12,300	25.50	26.62	27.84	Free	Free
	07-00110-40532			32	8	3.8	12°	6	70	13,800	33.84	35.33	36.96	Free	Free
	07-00110-41016	R1	16	8	3.8	12°	6	60	12,000	17.13	17.86	18.65	19.52	Free	
	07-00110-41024		24	8	3.8	12°	6	60	12,300	25.48	26.57	27.77	29.09	Free	
	07-00110-41032		32	8	3.8	12°	6	70	13,800	33.82	35.29	36.89	Free	Free	
NEW	07-00110-50120	5	R0.1	20	10	4.8	12°	6	60	12,200	21.34	22.29	Free	Free	Free
NEW	07-00110-50140			40	10	4.8	12°	6	80	17,800	42.19	Free	Free	Free	Free
NEW	07-00110-60124		R0.1	24	12	5.8	—	6	60	13,800	Free	Free	Free	Free	Free
NEW	07-00110-60148			48	12	5.8	—	6	90	21,600	Free	Free	Free	Free	Free
	07-00110-60224		R0.2	24	12	5.8	—	6	60	13,800	Free	Free	Free	Free	Free
	07-00110-60248			48	12	5.8	—	6	90	21,600	Free	Free	Free	Free	Free
NEW	07-00110-60324		R0.3	24	12	5.8	—	6	60	13,800	Free	Free	Free	Free	Free
NEW	07-00110-60348			48	12	5.8	—	6	90	21,600	Free	Free	Free	Free	Free
	07-00110-60524		R0.5	24	12	5.8	—	6	60	13,800	Free	Free	Free	Free	Free
	07-00110-60530			30	12	5.8	—	6	70	14,500	Free	Free	Free	Free	Free
	07-00110-60548		R1	48	12	5.8	—	6	90	21,600	Free	Free	Free	Free	Free
	07-00110-61024			24	12	5.8	—	6	60	13,800	Free	Free	Free	Free	Free
	07-00110-61048			48	12	5.8	—	6	90	21,600	Free	Free	Free	Free	Free

オーダー方法

DHR237R 外径(D) × コーナ半径(R) × 首下長(ℓ1) を指示してください。
When you order, indicate DHR237R (D)×(R)×(ℓ1).

※(γ)は参考値です。
※(γ) is reference value.